

SEP 14 2006

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2002P14188US01; 60427-615

IN THE CLAIMS

1. (Currently Amended) An intake module assembly for a vehicle engine comprising:  
an air path adapted to extend from an air filter to an engine cylinder head;  
a first single-piece shell forming a first portion of said air path;  
a second single-piece shell forming a second portion of said air path;  
at least one resonator completely and integrally formed as part of said first and second single-piece shells; and  
a throttle hose portion supported on at least one of said first or second single-piece shells forming a third portion of said air path wherein said first and second single-piece shells are joined together such that said first, second, and third portions together completely form said air path.
2. (Currently Amended) The assembly of claim 1 wherein said first and second single-piece shells are welded together.
3. (Cancelled)
4. (Currently Amended) The assembly of claim 1 including an intake manifold integrally and solely formed as part of said first and second single-piece shells, said intake manifold fluidly connected to said resonator via said throttle hose portion.
5. (Currently Amended) An intake module assembly for a vehicle engine comprising:  
an air path adapted to extend from an air filter to an engine cylinder head;  
a first shell forming a first portion of said air path;  
a second shell forming a second portion of said air path;  
at least one resonator integrally formed as part of said first and second shells;  
an intake manifold integrally and solely formed as part of said first and second shells; and  
a throttle hose portion supported on at least one of said first or second shells forming a third portion of said air path wherein said first and second shells are joined together such that

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2002P14188US01; 60427-615

said first, second, and third portions together completely form said air path and wherein air is adapted to flow from said air filter through said resonator, from said resonator into said throttle hose portion, from said throttle hose portion into said intake manifold, and then out to the engine cylinder head.

6. (Original) The assembly of claim 5 including an air filter support integrally and solely formed as part of said first and second shells.

7. (Original) The assembly of claim 6 including a throttle hose integrally and solely formed as part of said first and second shells.

8. (Original) The assembly of claim 7 including a throttle body portion integrally formed as part of said first and second shells.

9. (Currently Amended) The assembly of claim 1 including a throttle body attached to at least one of said first and second single-piece shells.

10. (Currently Amended) The assembly of claim 1 wherein one of said first or second single-piece shells includes a rigid flange defining a mounting interface for attachment to the engine cylinder head.

11. (Withdrawn and Currently Amended) ~~An intake module assembly for a vehicle engine comprising:~~

~~— an air path extending from an air filter to an engine cylinder head;~~

~~— a first shell forming a first portion of said air path;~~

~~— a second shell forming a second portion of said air path; and~~

~~a throttle hose portion supported on at least one of said first or second shells forming a third portion of said air path wherein said first and second shells are joined together such that said first, second, and third portions together completely form said air path~~The assembly of claim

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2002P14188US01; 60427-615

1 wherein one of said first or second single-piece shells includes a first zip tube portion including an exhaust gas re-circulation port and said other of said first or second single-piece shells includes a second zip tube portion that aligns with said first zip tube portion at a zip tube joint to form a zip tube.

12. (Withdrawn) The assembly of claim 11 wherein said first and second zip tube portions each include a transversely extending flange formed at said zip tube joint to increase tube rigidity.

13. (Currently Amended) The assembly of claim 1 wherein said throttle hose portion is integrally formed as part of at least one of said first or second single-piece shells.

14. (Currently Amended) A method for forming an intake module assembly comprising the steps of:

aligning a first single-piece shell with a second single-piece shell to form a complete air path from an inlet from an air filter to an outlet for an engine cylinder head;

integrally and completely forming at least one resonator as part of the first and second single-piece shells; and

joining the first and second single-piece shells together.

15. (Currently Amended) The method of claim 14 including the step of forming a throttle hose on at least one of the first or second single-piece shells to form a portion ~~for~~ of the air path.

16. (Currently Amended) The method of claim 14 including the step of integrally forming an intake manifold as part of the first and single-piece second shells with the resonator being in fluid communication with the intake manifold via a throttle hose.

17. (Cancelled)

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2002P14188US01; 60427-615

18. (Currently Amended) The method of claim 14 including the step of integrally forming an air filter support as part of the first and second single-piece shells.

19. (Currently Amended) The method claim 14 including the step of integrally forming a throttle body portion as part of the first and second single-piece shells.

20. (Currently Amended) The method of claim 14 including the step of separately attaching a throttle body to at least one of the first and second single-piece shells.

21-22. (Cancelled)

23. (Currently Amended) The assembly of claim 22-5 wherein air is adapted to flows from said throttle hose portion into a zip tube and then flows from said zip tube into said intake manifold.

24. (Currently Amended) An intake module assembly for attachment to a vehicle engine comprising:

an air path extending from an inlet from an air filter to an outlet adapted for communication with an engine cylinder head;

a first single-piece shell;

a second single-piece shell joined to said first single-piece shell to form the air path-with ~~an air inlet at the air filter and an air outlet at the engine cylinder head~~; and

a resonator solely formed within said first and second single-piece shells wherein air is adapted to flows from said ~~air~~ inlet through said resonator to said ~~air~~ outlet.

25. (Currently Amended) The assembly of claim 24 wherein said first and second single-piece shells completely and solely form the air path.

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2002P14188US01; 60427-615

26. (Currently Amended) The assembly of claim 24 including an intake manifold formed within said first and second single-piece shells wherein air is adapted to flows from said resonator into said intake manifold.

27. (Currently Amended) The assembly of claim 26 including a throttle hose supported by at least one of said first and second single-piece shells wherein air is adapted to flows from said resonator ~~into~~ through said throttle hose and into said intake manifold.

28. (Currently Amended) The assembly of claim 27 wherein said throttle hose is integrally formed as part of said first and second single-piece shells.

29. (Currently Amended) The assembly of claim 27 including a throttle body formed within said first and second single-piece shells wherein air is adapted to flows from said throttle hose into said throttle body.

30. (Currently Amended) The assembly of claim 29 including a zip tube formed within said first and second single-piece shells wherein air is adapted to flows from said throttle body into said zip tube and then into said intake manifold.

31. (Previously Presented) The assembly of claim 30 wherein said zip tube includes an exhaust gas re-circulation port.

32. (Currently Amended) The assembly of claim 30 including an air filter support integrally formed as part of at least one of said first and second single-piece shells.

33. (Currently Amended) The assembly of claim 30 wherein said resonator, said intake manifold, and said throttle body are all integrally formed within said first and second single-piece shells.

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2002P14188US01; 60427-615

34. (New) An intake module assembly for attachment to a vehicle engine comprising:  
an air path extending from an inlet from an air filter to an outlet adapted for communication with an engine cylinder head;  
a first shell;  
a second shell joined to said first shell to form said air path;  
a resonator integrally formed as part of said first and second shells;  
an intake manifold integrally formed as part of said first and second shells; and  
a throttle hose portion supported on at least one of said first and second shells forming a portion of said air path between said resonator and said intake manifold.
35. (New) The assembly of claim 34 wherein said first and said second shells each comprise a single piece component, with said first and second shells being joined together to completely form the air path extending from the inlet to the outlet.